

Petroleum Supply Monthly

May 2003

With Data for March 2003

Energy Information Administration
Office of Oil and Gas
U.S. Department of Energy
Washington, DC 20585

This report is available on the WEB at:

http://www.eia.doe.gov/oil_gas/petroleum/data_publications/petroleum_supply_monthly/psm.html

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the U.S. Department of Energy. The information contained herein should be attributed to the Energy Information Administration and should not be construed as advocating or reflecting any policy position of the Department of Energy or any other organization.

HOW TO OBTAIN EIA PRODUCTS AND SERVICES

For further information on the content of this report, or other EIA services, or including energy information questions, please contact EIA's **National Energy Information Center**:

National Energy Information Center (NEIC)
Energy Information Administration
EI-30, Forrestal Building
Washington, DC 20585
(202) 586-8800
(202) 586-0727 (fax)

TTY: For the hearing impaired:
(202) 586-1181

EIA's **Internet Site Services** offer nearly all EIA publications. Users can view and download selected pages or entire publications, search for information, download EIA data and analysis applications, and find out about new EIA information products and services.

Internet Addresses:
E-mail: infoctr@eia.doe.gov
World WideWeb Site: <http://www.eia.doe.gov>

Those EIA publications that are printed may be available free of charge from NEIC. Recent **periodicals and some one-time reports** are available from the Government Printing Office (those available at GPO have a GPO Stock No. noted below.). Older reports are available from the National Technical Information Service:

Superintendent of Documents
U.S. Government Printing Office
P.O. Box 371954
Pittsburgh, PA 15250-7954
(202) 512-1800
(202) 512-2250 (fax)

National Technical Information Service
U.S. Department of Commerce
5285 Port Royal Road
Springfield, VA 22161
1- (800)553-6847
(703) 321-8547 (fax)

Release Date: May 28, 2003

The *Petroleum Supply Monthly* (ISSN 0733-0553) is published monthly by the Energy Information Administration, 1000 Independence Avenue, SW, Washington, DC 20585, and sells for \$111.00 per year (price is subject to change without advance notice). Periodical postage paid at Washington, DC 20066-9998, and at additional mailing offices. POSTMASTER: Send address changes to *Petroleum Supply Monthly*, Energy Information Administration, EI-30, 1000 Independence Avenue, SW, Washington, DC 20585.



Printed with soy ink on recycled paper

Data Available Electronically

Data from the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and the *Petroleum Supply Annual* publications as well as data from other sources are available electronically on the Energy Information Administration's World Wide Web Site, and the Comprehensive Oil and Gas Information Source (COGIS). The schedule for data release is as follows:

Publications/Sources	Information
<i>Weekly Petroleum Status Report</i>	
Wednesday 9:00 a.m. (weekly)	Table 1 (U.S. Balance Sheet) and Data Log (Table 14 plus 4-week averages)
Wednesday 5:00 p.m. 6th-12th (monthly)	Table H1 (Petroleum Supply Summary)
<i>Winter Fuels Report</i> (October through March)	
Wednesday 5:00 p.m. (weekly)	All tables and highlights
<i>Propane Data</i> (April through September)	
Second Wednesday of the month (9:00 a.m.)	Propane Stocks
<i>Petroleum Supply Monthly</i>	
23rd-26th (monthly)	Table H1 (Petroleum Supply Summary) and all Summary Statistics and Detailed Statistics Tables
<i>Petroleum Supply Annual</i>	All tables and data bases
<i>Oxygenate Data</i>	
15 working days after the report month	Table D1 U.S. Summary Table D2 (Fuel Ethanol Production/Stocks) Table D3 (MTBE Production/Stocks) and Table D4 (MTBE Merchant and Captive)
<i>Imports Data</i>	
7th-10th (preliminary)	Import data by company from the Form EIA-814, "Monthly Imports Report"
23rd-26th (final)	

Preface

The *Petroleum Supply Monthly* (PSM) is one of a family of four petroleum supply publications produced by the Petroleum Division within the Energy Information Administration (EIA) reflecting different levels of data timeliness and completeness. The other publications are the *Weekly Petroleum Status Report* (WPSR), the *Winter Fuels Report*, and the *Petroleum Supply Annual* (PSA).

Data presented in the *PSM* describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, operators of natural gas processing plants and fractionators, inter-PAD transporters, importers, and major inventory holders of petroleum products and crude oil. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

Data presented in the *PSM* are divided into two sections: Summary Statistics and Detailed Statistics.

Summary Statistics

The tables and figures in the Summary Statistics section of the *PSM* present a time series of selected petroleum data on a U.S. level. Most time series include preliminary estimates for one month based on the Weekly Petroleum Supply Reporting System; statistics based on the most recent data from the Monthly Petroleum Supply Reporting System (MPSRS); and statistics published in prior issues of the *PSM* and *PSA*.

Detailed Statistics

The Detailed Statistics tables of the *PSM* present statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District level, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources.

Appendices

Four appendices are provided to assist in understanding and interpreting the data presented in this publication:

- Appendix A (District Descriptions and Maps) -Geographic aggregations of the 50 States and the District of Columbia into Refining Districts which make up the PAD Districts.
- Appendix B (Detailed Statistics Explanatory Notes) - Information describing data collection, sources, estimation methodology, data quality control procedures, modifications to reporting requirements and interpretation of tables.
- Appendix C (Impact of Resubmissions or Major Series) - Information on revisions to published statistics caused by resubmission of respondent survey forms.
- Appendix D (EIA-819M, Monthly Oxygenate Telephone Report) -Preliminary information on production and stocks of fuel ethanol and methyl tertiary butyl ether (MTBE) by PAD District. Data are collected from a sample of respondents reporting on the MPSRS surveys. Data are also published in the *WPSR* and are available electronically approximately 15 working days after the end of the month.
- Appendix E (Northeast Heating Oil Reserve) -Contains volumes of heating oil held in terminals by the government as a reserve to reduce the risks of home heating oil shortages.

Industry terminology and product definitions are listed alphabetically in the Glossary. Final statistics for the data series published in the *PSM*, as well as additional data from the biennial refinery and oxygenate capacity surveys are published in the *PSA*. The *PSA* is published approximately five months after the end of the report year.

Contents

	Page
Petroleum Supply Summary Table	ix
Summary Statistics Tables	
S1. Crude Oil and Petroleum Products Overview, 1988-Present	2
S2. Crude Oil Supply and Disposition, 1988-Present	6
S3. Crude Oil and Petroleum Product Imports, 1988-Present	8
S4. Finished Motor Gasoline Supply and Disposition, 1988-Present	17
S5. Distillate Fuel Oil Supply and Disposition, 1988-Present	19
S6. Residual Fuel Oil Supply and Disposition, 1988-Present	21
S7. Jet Fuel Supply and Disposition, 1988-Present	23
S8. Propane/Propylene Supply and Disposition, 1988-Present	25
S9. Liquefied Petroleum Gases Supply and Disposition, 1988-Present	27
S10. Other Petroleum Products Supply and Disposition, 1988-Present	28
Summary Statistics Figures	
S1. Petroleum Overview, March 2002-Present	4
S2. Petroleum Products Supplied, March 2002-Present	4
S3. Crude Oil Supply and Disposition, March 2002-Present	5
S4. Crude Oil Ending Stocks, March 2002-Present	5
S5. Finished Motor Gasoline Supply and Disposition, March 2002-Present	16
S6. Motor Gasoline Ending Stocks, March 2002-Present	16
S7. Distillate Fuel Oil Supply and Disposition, March 2002-Present	18
S8. Distillate Fuel Oil Ending Stocks, March 2002-Present	18
S9. Residual Fuel Oil Supply and Disposition, March 2002-Present	20
S10. Residual Fuel Oil Ending Stocks, March 2002-Present	20
S11. Jet Fuel Supply and Disposition, March 2002-Present	22
S12. Jet Fuel Ending Stocks, March 2002-Present	22
S13. Propane/Propylene Supply and Disposition, February 2002-Present	24
S14. Propane/Propylene Ending Stocks, February 2002- Present	24
S15. Liquefied Petroleum Gases Supply and Disposition, February 2002-Present	26
S16. Liquefied Petroleum Gases Ending Stocks, February 2002-Present	26
Summary Statistics Notes	
Summary Statistics Table and Figure Sources	29
Summary Statistics Explanatory Notes	30
Detailed Statistics Tables	
National Statistics	
1. U.S. Petroleum Balance	35
2. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products	36
3. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products	37
4. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products	38
5. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products	39
Supply and Disposition of Crude Oil and Petroleum Products	
6. PAD District I	40
7. Year-to-Date PAD District I	41
8. Daily Average PAD District I	42
9. Year-to-Date Daily Average PAD District I	43
10. PAD District II	44
11. Year-to-Date PAD District II	45
12. Daily Average PAD District II	46
13. Year-to-Date Daily Average PAD District II	47
14. PAD District III	48
15. Year-to-Date PAD District III	49
16. Daily Average PAD District III	50
17. Year-to-Date Daily Average PAD District III	51
18. PAD District IV	52
19. Year-to-Date PAD District IV	53
20. Daily Average PAD District IV	54
21. Year-to-Date Daily Average PAD District IV	55

Supply and Disposition of Crude Oil and Petroleum Products (Contd.)

22. PAD District V	56
23. Year-to-Date PAD District V	57
24. Daily Average PAD District V	58
25. Year-to-Date Daily Average PAD District V	59

Production of Crude Oil

26. Production of Crude Oil by PAD District and State	60
---	----

Natural Gas Processing

27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts	61
--	----

Refinery Operations

28. Refinery Input of Crude Oil and Petroleum Products by PAD and Refining Districts.....	62
29. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts.....	64
30. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts	66
31. Percent Refinery Yield of Petroleum Products by PAD and Refining Districts.....	68

Imports of Crude Oil and Petroleum Products**State of Entry**

32. Imports of Residual Fuel Oil by Sulfur Content	69
--	----

PAD District

33. Imports of Crude Oil and Petroleum Products	70
34. Year-to-Date Imports of Crude Oil and Petroleum Products	71

Country of Origin

35. United States.....	72
36. PAD District I.....	74
37. PAD District II	76
38. PAD District III	78
39. PAD Districts IV and V	80
40. Year-to-Date United States	82
41. Year-to-Date PAD District I	84
42. Year-to-Date PAD District II	86
43. Year-to-Date PAD District III.....	88
44. Year-to-Date PAD Districts IV and V	90

Exports of Crude Oil and Petroleum Products

45. Exports of Crude Oil and Petroleum Products by PAD District.....	92
46. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District	93
47. Exports of Crude Oil and Petroleum Products by Destination	94
48. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination	96

Net Imports

49. Net Imports of Crude Oil and Petroleum Products into the United States by Country	98
50. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country.....	99

Stocks

51. Stocks of Crude Oil and Petroleum Products by PAD District	100
52. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State	103

Movements of Crude Oil and Petroleum Products

53. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts.....	104
54. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts	105
55. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts.....	106
56. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge Between PAD Districts.....	107

Appendices

A. District Descriptions and Maps	109
B. Detailed Statistics Explanatory Notes	113
C. Impact of Resubmissions on Major Series, 2002.....	127
D. EIA-819M, Monthly Oxygenate Telephone Report	131
E. Northeast Heating Oil Reserve.....	137

Glossary

Definitions of Petroleum Products and Other Terms.....	141
--	-----

Articles

Feature articles on energy-related subjects are frequently included in this publication. The following articles have appeared in previous issues.

U.S. Petroleum Developments: 1990	February 1991
U.S. Petroleum Trade 1990.....	March 1991
Effects of the Clean Air Act's Highway Diesel Fuel Oil Provisions	June 1991
Timeliness and Accuracy of Petroleum Supply Data	June 1991
Regulation of Underground Petroleum Storage	August 1991
Alternative Transportation Fuels	October 1991
U.S. Petroleum Developments: 1991.....	February 1992
Comparisons of Independent Statistics on Petroleum Supply	March 1992
U.S. Petroleum Trade, 1991	April 1992
Timeliness and Accuracy of Petroleum Supply Data	September 1992
Three Dimensional Seismology-A New Perspective	January 1992
Summer 1993 Motor Gasoline Outlook	April 1993
Comparisons of Independent Statistics on Petroleum Supply	May 1993
Drilling Sideways.....	June 1993
The Economics of the Clean Air Act Amendments of 1990	July 1993
Accuracy of Petroleum Supply Data	August 1993
Distillate Fuel Oil Outlook for Winter 1993-1994	October 1993
Propane Outlook for Winter 1993-1994.....	October 1993
Strategic Shipping Lanes	January 1994
Summer 1994 Motor Gasoline Outlook	April 1994
Accuracy of Petroleum Supply Data	October 1994
Distillate Fuel Oil Assessment for Winter 1994-1995	October 1994
Propane Assessment for Winter 1994-1995	October 1994
Comparisons of Independent Statistics on Petroleum Supply	April 1995
Summer 1995 Gasoline Assessment.....	May 1995
Accuracy of Petroleum Supply Data	September 1995
Distillate Fuel Oil Assessment for Winter 1995-1996	October 1995
Propane Assessment for Winter 1995-1996	October 1995
U.S. Refining Capacity Utilization	October 1995
Summer 1996 Gasoline Assessment.....	April 1996
Recent Distillate Fuel Oil Inventory Trends.....	May 1996
Recent Trends in Motor Gasoline Stock Levels	May 1996
Comparisons of Independent Petroleum Supply Statistics.....	August 1996
Accuracy of Petroleum Supply Data	September 1996
The Outlook for U.S. Import Dependence.....	September 1996
Recent Trends in Crude Oil Stock Levels	October 1996
Distillate Fuel Oil Assessment for Winter 1996-1997	November 1996
Propane Market Assessment for Winter 1996-1997.....	November 1996
Crosswell Seismology—A View from Aside.....	January 1996
Comparisons of Independent Petroleum Supply Statistics.....	July 1997
The Intricate Puzzle of Oil and Gas “Reserve Growth”	July 1997
Propane Market Assessment for Winter 1997-1998.....	November 1997
Accuracy of Petroleum Supply Data	January 1997
EIA Corrects Errors in Its Drilling Activity Estimates Series	March 1998
Accuracy of Petroleum Supply Data	October 1998
Demand and Price Outlook for Phase 2 Reformulated Gasoline, 2000	April 1999
Comparisons of Independent Petroleum Supply Statistics.....	August 1999
Accuracy of Petroleum Supply Data	December 1999
Comparisons of Independent Petroleum Supply Statistics.....	December 1999
Accuracy of Petroleum Supply Data	October 2000
Comparisons of Independent Petroleum Supply Statistics.....	December 2000
Accuracy of Petroleum Supply Data	October 2001
Accuracy of Petroleum Supply Data	September 2002

Residual Fuel Oil Import Revisions

While processing revisions to 2002 petroleum supply data for the *Petroleum Supply Annual* (PSA), it was determined that a significant volume of residual fuel oil imports had been underreported by several companies. These revisions will be reflected in the 2002 PSA, scheduled for release approximately June 9, 2003.

The import underreporting also impacted data reported for 2003. By the time the corrected data was submitted, the January and February 2003 *Petroleum Supply Monthly* (PSM) reports had already been published. This issue of the March PSM contains correct residual fuel oil imports. The table below shows the original and revised import volumes for January and February 2003. The impact of this change, as well as any other revisions processed to date, can be found in Table C1 in this issue of the PSM.

Imports of Residual Fuel Oil (thousand barrels per day)

	January 2003	February 2003	March 2003
Published (PSM)	280	353	466
Revised	353	363	N/A